BRUHAT BANGALORE MAHANAGARA PALIKE

Agency: Sri. V. Ramesh

Name of Work: Improvements to drains of roads next to Ayyappa Temple of jakkur layout and Improvements to drains of roads of jakkur layout in ward No.07 Byatarayanapura in ward No.07 Byatarayanapura

Sl No	Description of item	Unit	No	L	B	D	Qty
1	Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.						
	Location	**cum**					
	11th B cross- LHS						
	0-30		1.00	30.00	0.75	0.90	20.25
	30-60		1.00	30.00	0.75	0.90	20.25
	60-90		1.00	30.00	0.75	0.90	20.25
	90-120		1.00	30.00	0.75	0.90	20.25
	120-150		1.00	30.00	0.75	0.90	20.25
	RHS						
	0-30		1.00	30.00	0.75	0.90	20.25
	30-60		1.00	30.00	0.75	0.90	20.25
	60-90		1.00	30.00	0.75	0.90	20.25
	90-120		1.00	30.00	0.75	0.90	20.25
	120-140		1.00	20.00	0.75	0.90	13.50
							195.75
	14th cross						
	0-30- **LHS**		1.00	30.00	0.75	0.90	20.25
	30-70		1.00	40.00	0.75	0.90	27.00
	RHS						
	0-30		1.00	30.00	0.75	0.90	20.25
	30-66		1.00	36.00	0.75	0.90	24.30
							91.80
	13TH Cross - LHS						
	0-30		1.00	30.00	0.75	0.90	20.25
	30-60		1.00	30.00	0.75	0.90	20.25
	60-88		1.00	28.00	0.75	0.90	18.90
	RHS						
	0-30		1.00	30.00	0.75	0.90	20.25
	30-60		1.00	30.00	0.75	0.90	20.25
	60-78		1.00	18.00	0.75	0.90	12.15
							112.05
	16TH Cross- LHS						
	0-30		1.00	30.00	0.75	0.90	20.25
	30-60		1.00	30.00	0.75	0.90	20.25
	60-90		1.00	30.00	0.75	0.90	20.25
	90-120		1.00	30.00	0.75	0.90	20.25
	RHS						
	0-30		1.00	30.00	0.75	0.90	20.25
	30-61		1.00	31.00	0.75	0.90	20.93

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							122.18
	Over burden earth		1.00	19.00	5.00	0.67	63.65
			1.00	19.00	0.90	0.90	15.39
							79.04
							600.42
					Qty Ltd to		599.70
2	Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing						
	11th B cross- LHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-60		1.00	30.00	0.75	0.15	3.38
	60-90		1.00	30.00	0.75	0.15	3.38
	90-120		1.00	30.00	0.75	0.15	3.38
	120-150		1.00	30.00	0.75	0.15	3.38
	RHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-60		1.00	30.00	0.75	0.15	3.38
	60-90		1.00	30.00	0.75	0.15	3.38
	90-120		1.00	30.00	0.75	0.15	3.38
	120-140		1.00	20.00	0.75	0.15	2.25
							32.63
	14th cross						
	0-30- LHS		1.00	30.00	0.75	0.15	3.38
	30-70		1.00	40.00	0.75	0.15	4.50
	RHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-66		1.00	36.00	0.75	0.15	4.05
							15.30
	13TH Cross - LHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-60		1.00	30.00	0.75	0.15	3.38
	60-88		1.00	28.00	0.75	0.15	3.15
	RHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-60		1.00	30.00	0.75	0.15	3.38
	60-78		1.00	18.00	0.75	0.15	2.03
							18.68
	16TH Cross- LHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-60		1.00	30.00	0.75	0.15	3.38
	60-90		1.00	30.00	0.75	0.15	3.38
	90-120		1.00	30.00	0.75	0.15	3.38
	RHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-61		1.00	31.00	0.75	0.15	3.49
							20.36
							86.96

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	Ramps for drains						
	11th B cross- RHS		5.00	30.00	0.20	0.15	4.50
	LHS		4.00	30.00	0.20	0.15	3.60
			1.00	20.00	0.20	0.15	0.60
	14th cross- RHS		2.00	30.00	0.20	0.15	1.80
	LHS		2.00	30.00	0.20	0.15	1.80
	13th cross		2.00	30.00	0.20	0.15	1.80
			2.00	30.00	0.20	0.15	1.80
	16th cross- RHS		4.00	30.00	0.20	0.15	3.60
			4.00	30.00	0.20	0.15	3.60
							23.10
							110.06
	Deductions for shoulder drains		**250.00**	**0.30**	**0.20**	**0.10**	1.50
							108.56
					Qty Ltd to		**107.83**

4	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of						
			L	no of rods	le of u bar	Total length	
						10mm	8mm
	11th B cross- LHS						
	Main rod-0-30	1	30	375	1.85	693.75	
	distribution	1	30	8	30		240
	30-60	1	30	375	1.85	693.75	
		1	30	8	30		240
	60-90	1	30	375	1.85	693.75	
		1	30	8	30		240
	90-120	1	30	375	1.9	712.5	
		1	30	8	30		240
	120-150	1	30	375	1.9	712.5	
		1	30	8	30		240
	RHS						
	0-30	1	30	375	1.8	675	
		1	30	8	30		240
	30-60	1	30	375	1.9	712.5	
		1	30	8	30		240
	60-90	1	30	375	1.9	712.5	
		1	30	8	30		240
	90-120	1	30	375	1.95	731.25	
		1	30	8	30		240
	120-140	1	20	300	1.95	585	
		1	20	8	20		160

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	14th cross						
	0-30- LHS	1	30	375	1.85	693.75	
		1	30	8	30		240
	30-70	1	40	525	1.95	1023.75	
		1	40	8	40		320
	0-30	1	30	375	1.95	731.25	
		1	30	8	30		240
	30-66	1	36	415	1.95	809.25	
		1	36	8	36		288
	13TH Cross - LHS						
	0-30	1	30	375	1.9	712.5	
		1	30	8	30		240
	30-60	1	30	375	1.95	731.25	
		1	30	8	30		240
	60-88	1	28	390	1.95	760.5	
		1	28	8	28		224
	0-30	1	30	390	1.95	760.5	
		1	30	8	30		240
	30-60	1	30	390	1.95	760.5	
		1	30	8	30		240
	60-78	1	18	300	1.95	585	
		1	18	8	18		144
	16TH Cross- LHS						
	0-30	1	30	390	1.95	760.5	
		1	30	8	30		240
	30-60	1	30	390	1.95	760.5	
		1	30	8	30		240
	60-90	1	30	390	1.95	760.5	
		1	30	8	30		240
	90-120	1	30	390	1.95	760.5	
		1	30	8	30		240
	RHS						
	0-30	1	30	395	1.95	770.25	
		1	30	8	30		240
	30-61	1	31	425	1.95	828.75	
		1	31	8	31		248
						19131.75	**6504**
						0.62 kg/cum	0.39kg/cum
						11861.69	2536.56
						14398.25	14.398245

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5	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.						
		Sqm					
	11th B cross- LHS						
	0-30		4.00	30.00		0.60	72.00
	30-60		4.00	30.00		0.60	72.00
	60-90		4.00	30.00		0.60	72.00
	90-120		4.00	30.00		0.60	72.00
	120-150		4.00	30.00		0.60	72.00
	RHS						
	0-30		4.00	30.00		0.60	72.00
	30-60		4.00	30.00		0.60	72.00
	60-90		4.00	30.00		0.60	72.00
	90-120		4.00	30.00		0.60	72.00
	120-140		4.00	20.00		0.60	48.00
							696.00
	14th cross						
	0-30- LHS		4.00	30.00		0.60	72.00
	30-70		4.00	40.00		0.60	96.00
	RHS						
	0-30		4.00	30.00		0.60	72.00
	30-66		4.00	36.00		0.60	86.40
							326.40
	13TH Cross - LHS						
	0-30		4.00	30.00		0.60	72.00
	30-60		4.00	30.00		0.60	72.00
	60-88		4.00	28.00		0.60	67.20
	RHS						
	0-30		4.00	30.00		0.60	72.00
	30-60		4.00	30.00		0.60	72.00
	60-78		4.00	18.00		0.60	43.20
							398.40
	16TH Cross- LHS						
	0-30		4.00	30.00		0.60	72.00
	30-60		4.00	30.00		0.60	72.00
	60-90		4.00	30.00		0.60	72.00
	90-120		4.00	30.00		0.60	72.00
	RHS						
	0-30		4.00	30.00		0.60	72.00
	30-61		4.00	31.00		0.60	74.40
							434.40
							1955.20

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3	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications.						
	11th B cross- LHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-60		1.00	30.00	0.75	0.15	3.38
	60-90		1.00	30.00	0.75	0.15	3.38
	90-120		1.00	30.00	0.75	0.15	3.38
	120-150		1.00	30.00	0.75	0.15	3.38
	RHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-60		1.00	30.00	0.75	0.15	3.38
	60-90		1.00	30.00	0.75	0.15	3.38
	90-120		1.00	30.00	0.75	0.15	3.38
	120-140		1.00	20.00	0.75	0.15	2.25
	Side wall						
	11th B cross- LHS						
	0-30		2.00	30.00	0.15	0.60	5.40
	30-60		2.00	30.00	0.15	0.60	5.40
	60-90		2.00	30.00	0.15	0.60	5.40
	90-120		2.00	30.00	0.15	0.60	5.40
	120-150		2.00	30.00	0.15	0.60	5.40
	RHS						
	0-30		2.00	30.00	0.15	0.60	5.40
	30-60		2.00	30.00	0.15	0.60	5.40
	60-90		2.00	30.00	0.15	0.60	5.40
	90-120		2.00	30.00	0.15	0.60	5.40
	120-140		2.00	20.00	0.15	0.60	3.60
							84.83
	14th cross						
	0-30- LHS		1.00	30.00	0.75	0.15	3.38
	30-70		1.00	40.00	0.75	0.15	4.50
	RHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-66		1.00	36.00	0.75	0.15	4.05
	Side wall						
	0-30- LHS		2.00	60.00	0.15	0.60	10.80
	30-70		2.00	80.00	0.15	0.60	14.40
	RHS						
	0-30		2.00	60.00	0.15	0.60	10.80
	30-66		2.00	72.00	0.15	0.60	12.96
							64.26

	13TH Cross - LHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-60		1.00	30.00	0.75	0.15	3.38
	60-88		1.00	28.00	0.75	0.15	3.15
	RHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-60		1.00	30.00	0.75	0.15	3.38
	60-78		1.00	18.00	0.75	0.15	2.03
	SIDE WALL						
	0-30		2.00	30.00	0.15	0.60	5.40
	30-60		2.00	30.00	0.15	0.60	5.40
	60-88		2.00	28.00	0.15	0.60	5.04
	RHS						
	0-30		2.00	30.00	0.15	0.60	5.40
	30-60		2.00	30.00	0.15	0.60	5.40
	60-78		2.00	18.00	0.15	0.60	3.24
							48.56
	16TH Cross- LHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-60		1.00	30.00	0.75	0.15	3.38
	60-90		1.00	30.00	0.75	0.15	3.38
	90-120		1.00	30.00	0.75	0.15	3.38
	RHS						
	0-30		1.00	30.00	0.75	0.15	3.38
	30-61		1.00	31.00	0.75	0.15	3.49
	SIDE WALL						
			2.00	30.00	0.15	0.60	5.40
			2.00	30.00	0.15	0.60	5.40
			2.00	30.00	0.15	0.60	5.40
			2.00	30.00	0.15	0.60	5.40
			2.00	30.00	0.15	0.60	5.40
			2.00	31.00	0.15	0.60	5.58
							52.94
							250.58
						Qty Ltd to	**239.85**

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7	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications						
	11B cross		550.0	0.6	0.75		247.50
	14th cross		300.0	0.6	0.75		135.00
	13th cross		285.0	0.6	0.75		128.25
	16th cross		450.0	0.6	0.75		202.50
							713.25
	Missing slabs						
	Gangamma temple area		290	0.6	0.9		156.60
	Mungurappa layout	Checked	250	0.6	0.75		112.50
	Padma tent area		79	0.6	0.9		42.66
							1025.01

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E.E. (Project)

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6	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.69 cum and fine aggragtes @ 0.459cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications.						
	Ramps for slabs						
	11th B cross- RHS		5.00	30.00	0.20	0.10	3.00
	LHS		4.00	30.00	0.20	0.10	2.40
			1.00	20.00	0.20	0.10	0.40
	14th cross- RHS		2.00	30.00	0.20	0.10	1.20
	LHS		2.00	30.00	0.20	0.10	1.20
	13th cross		2.00	30.00	0.20	0.10	1.20
			2.00	30.00	0.20	0.10	1.20
	16th cross- RHS		4.00	30.00	0.20	0.10	2.40
			4.00	30.00	0.20	0.10	2.40
							15.40
					Qty Ltd to		14.40
8	Providing and fixing MS Grating 260x260 mm						
	11B cross	nos	20				20.00
	14th cross		10				10.00
	13th cross		15				15.00
	16th cross		15				15.00
							60.00
9	Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1						
		cum					599.70
							599.70
	Assistant Engineer	Assistant Executive Engineer					

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